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DOCKET NO. 1252.1056

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Patent Application of:

Jerome MAILLOT, et al.

Serial No: 09/998,919

Group Art Unit: 2673

Confirmation No. 4265

Filed: December 3, 2001

Examiner: Unassigned

For: DYNAMICALLY ADJUSTED BRUSH FOR DIRECT PAINT SYSTEMS ON  
PARAMETERIZED MULTI-DIMENSIONAL SURFACES

**LETTER TO THE EXAMINER SUBMITTING**  
**CORRECTED DRAWINGS**

Assistant Commissioner for Patents  
Washington, D.C. 20231

ATTENTION: OFFICIAL DRAFTSPERSON

Sir:

In accordance with the requirement in Notice to File Missing Parts, mailed December 17, 2002, applicant herewith submits 21 sheets of corrected drawings for filing in the subject application.

It is respectfully requested that the corrected and/or formal drawings filed herewith be entered in the above-referenced application.

Respectfully submitted,

STAAS & HALSEY LLP

Date: 3/17/02

By: [Signature]

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PRIOR ART

102

101

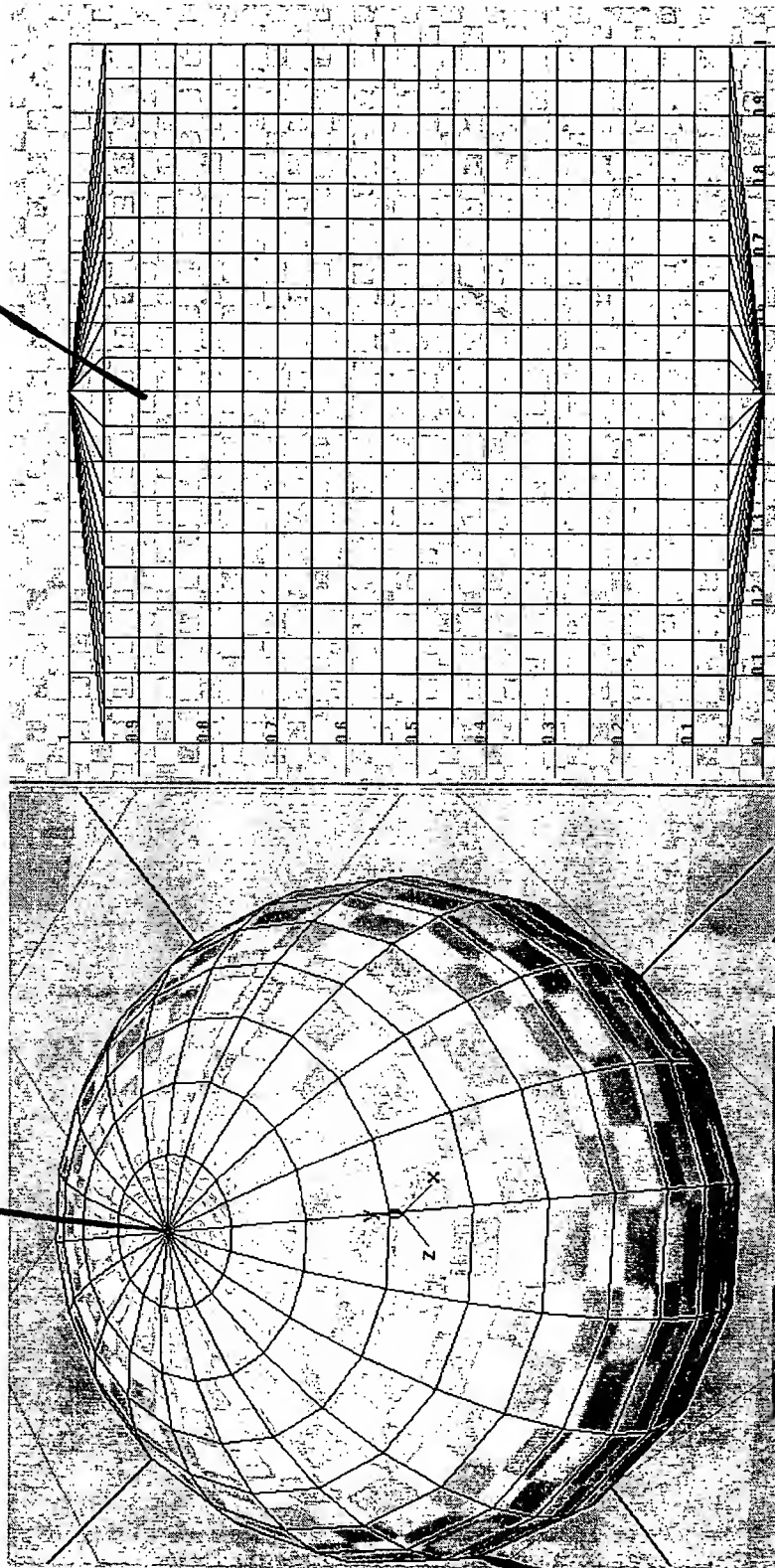


FIG. 1A

FIG. 1B

100

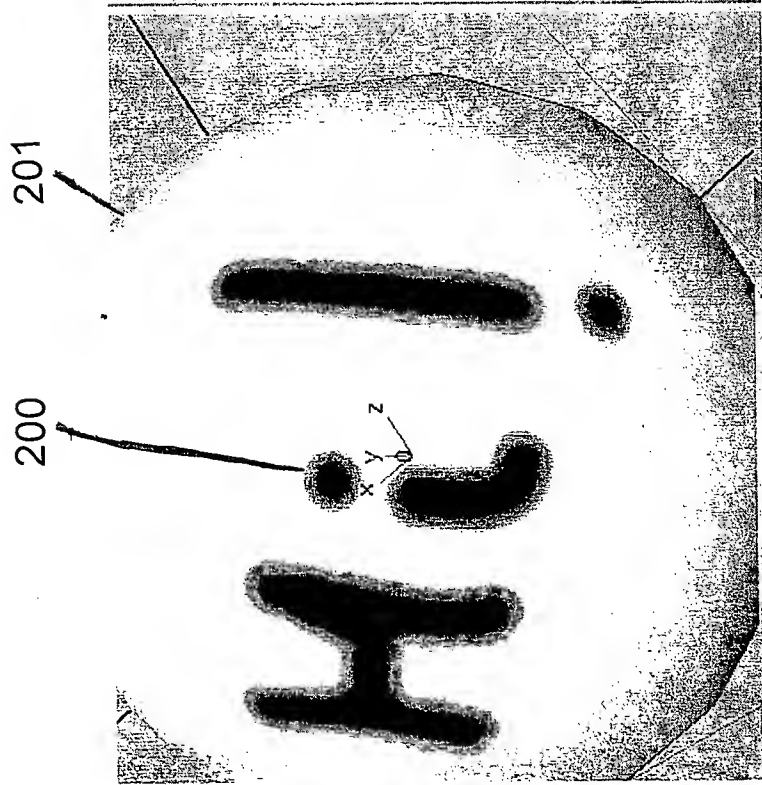


FIG. 2A

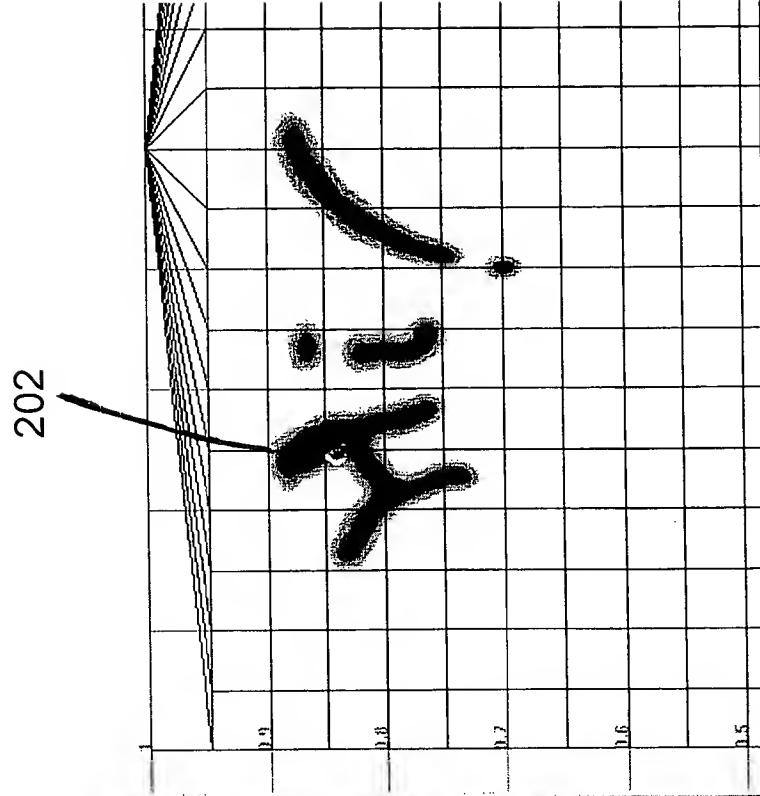


FIG. 2B

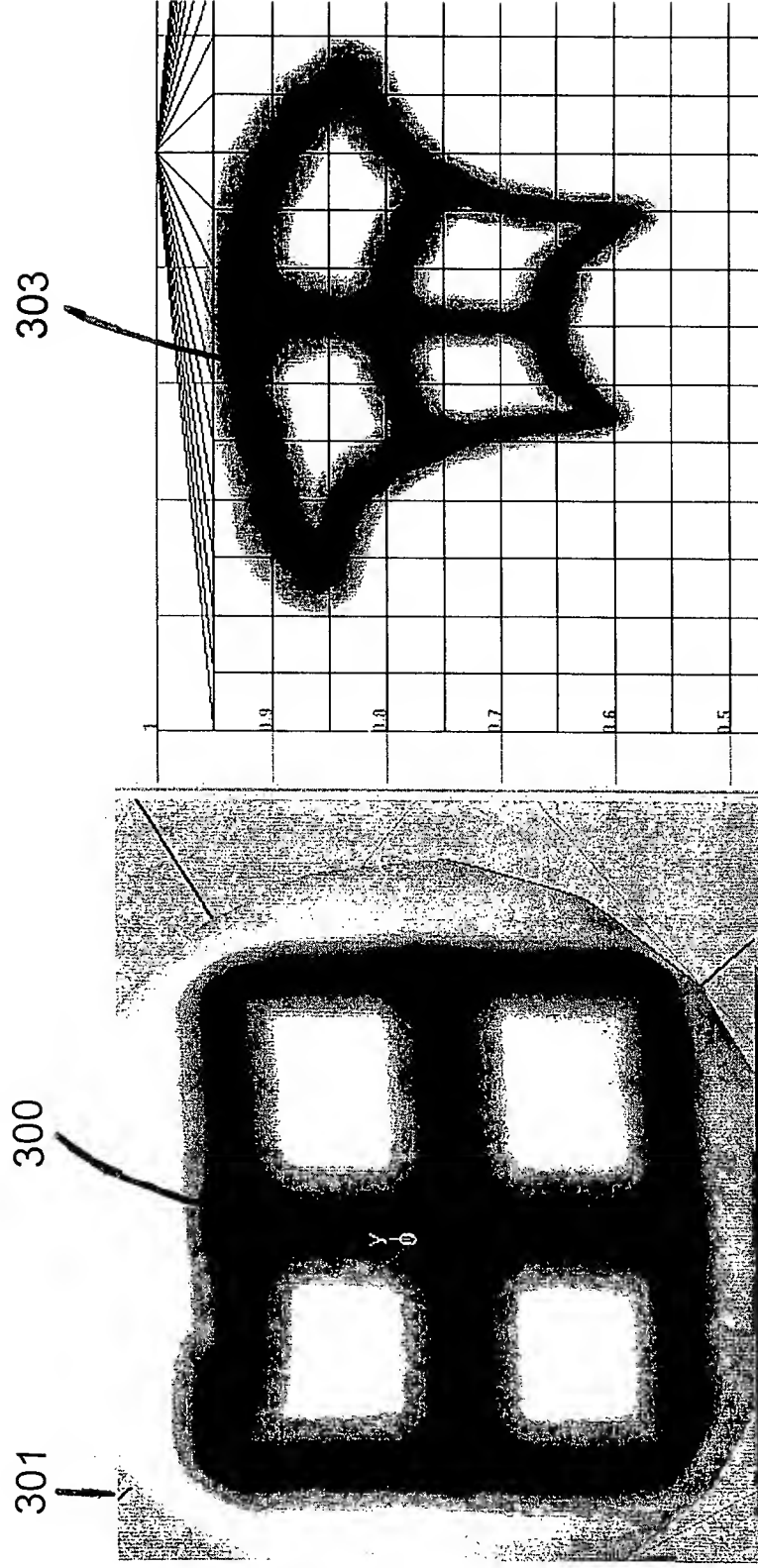
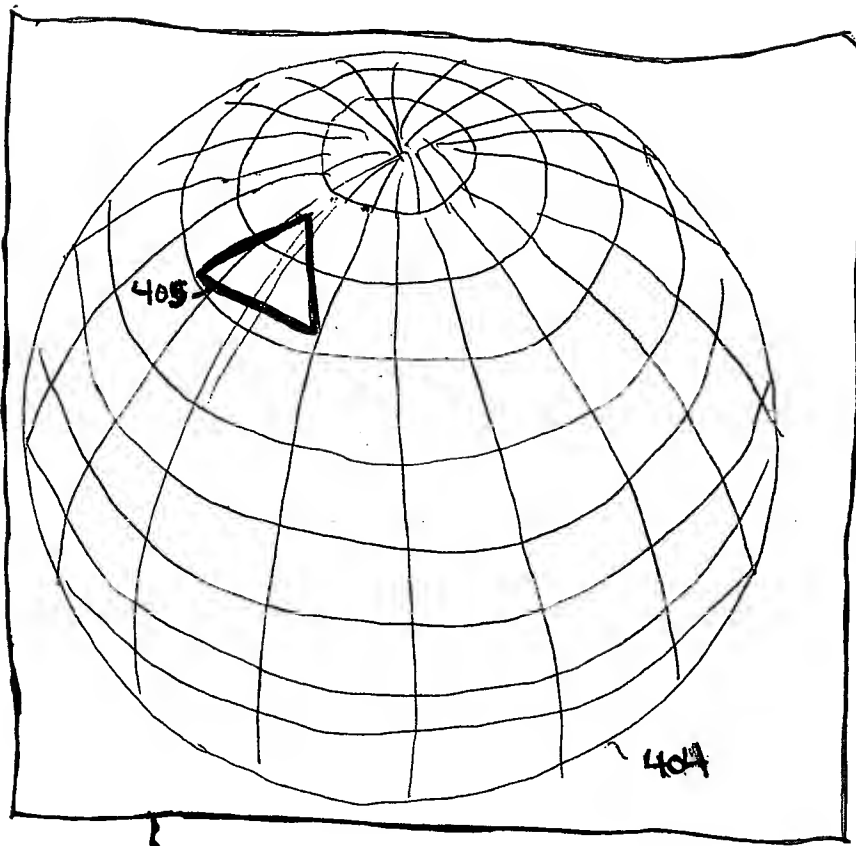


FIG. 3A

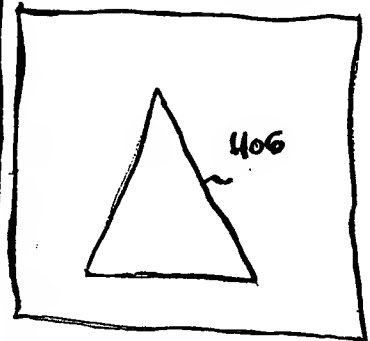
FIG. 3B

FIG. 4



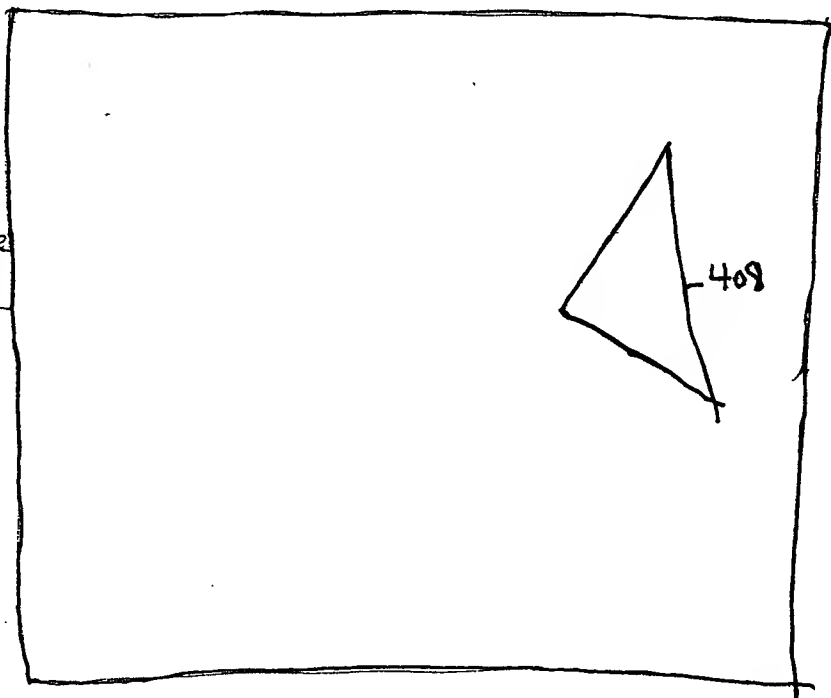
400  
30 Space

Stamp  
intermediate  
Space  
402



texture space

403



208T20" 6T686660

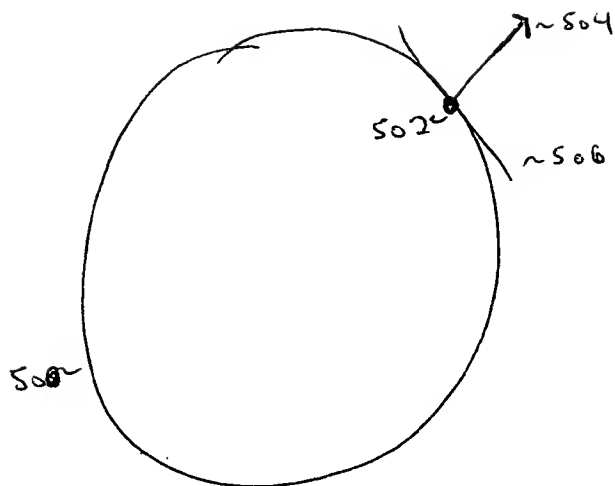


Fig. 5A

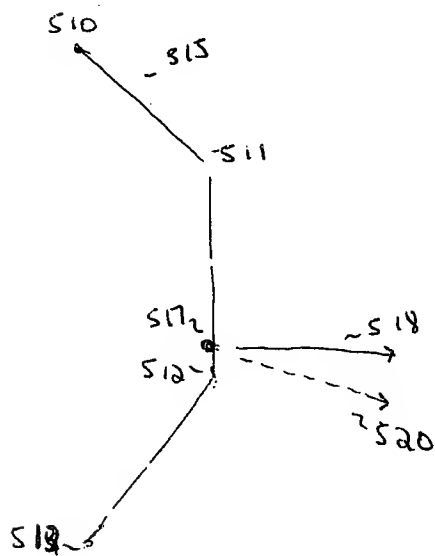


Fig. 5B

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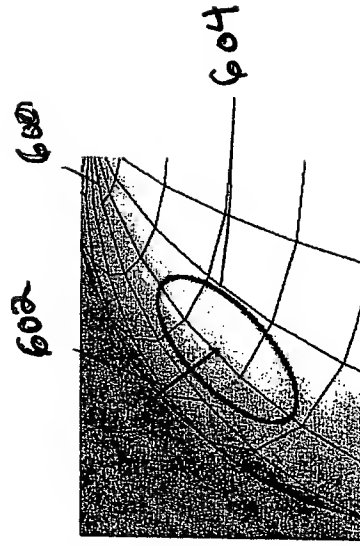
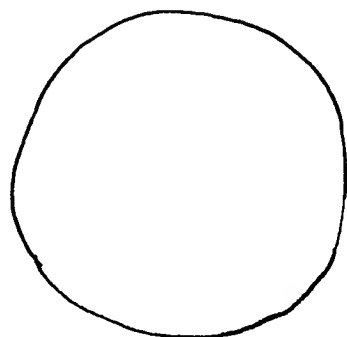


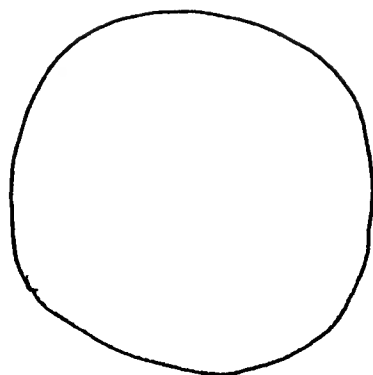
FIG. 6

$x, y$   
 $\sim 700$   
 $\sim 703$   
 $c$   
 $\sim 707$



$701 \sim$

Fig 7A

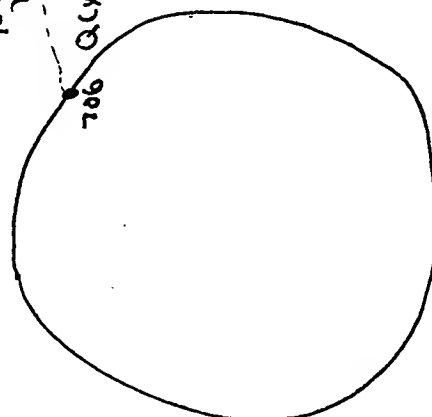


$701 \sim$

Fig 7B

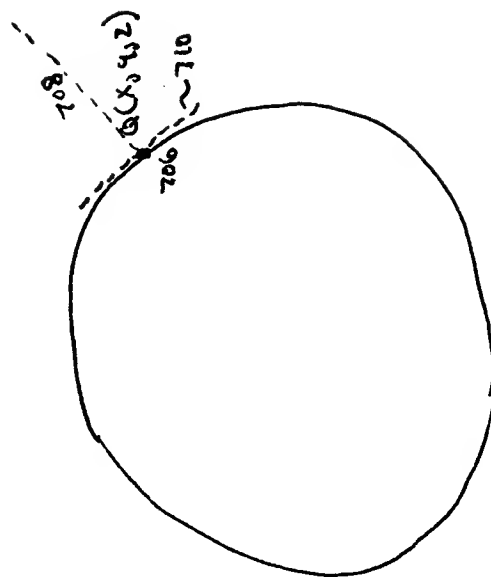
$\rho(x, y, z)$   
 $702$

$704$   $702$   $\rho(x, y, z)$   $705$   
 $\sim 706$   $Q(x, y, z)$



$701 \sim$

Fig 7C



$701 \sim$

Fig 7D

$708$   
 $Q(x, y, z)$   
 $706$   
 $\sim 710$



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Fig. 8

208 F E O " 5 T 6 8 6 6 6 0

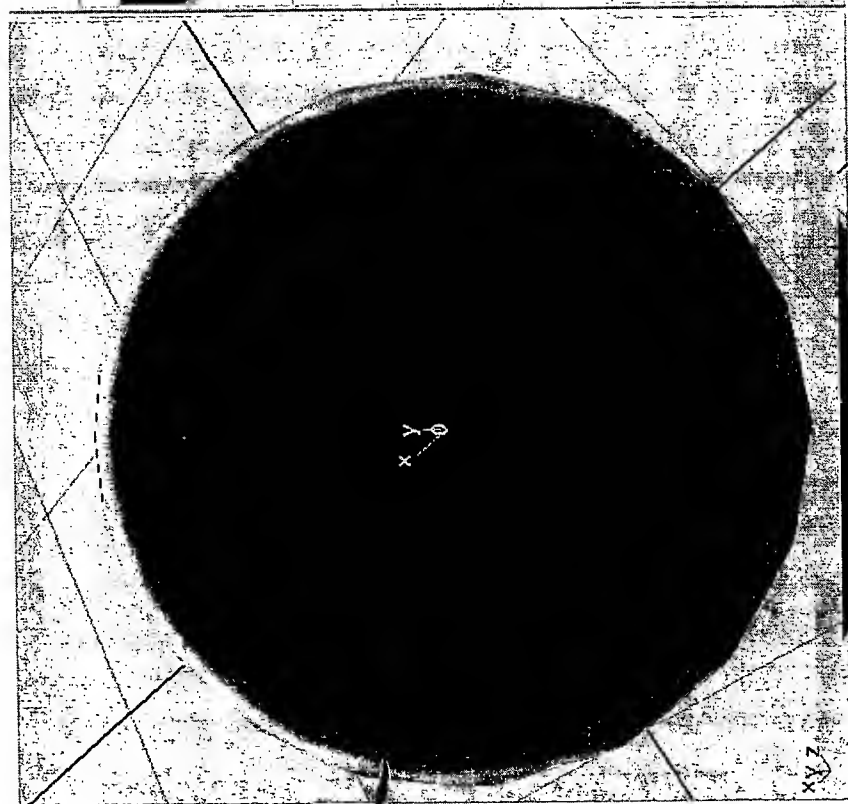


Fig. 9A

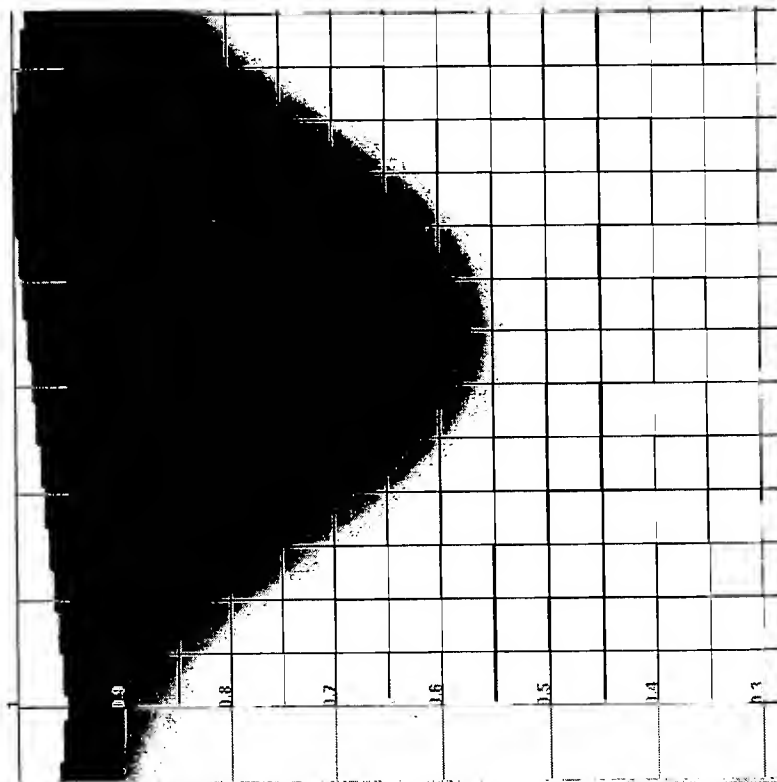


Fig. 9B

2087ED" 6T68666D

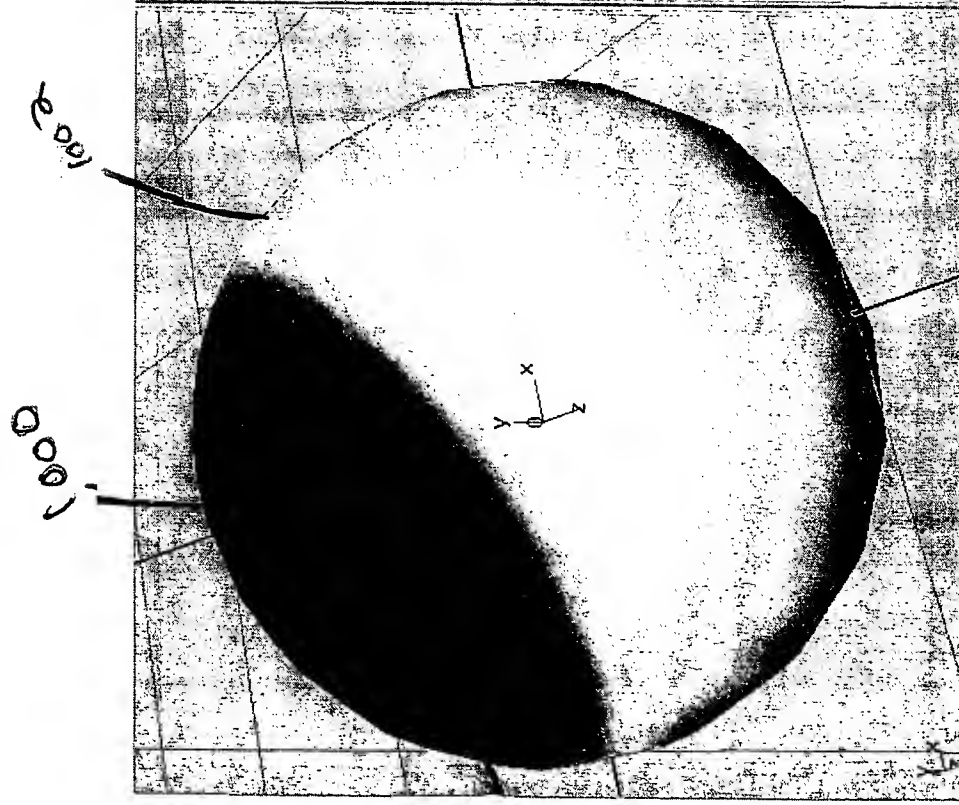


FIG. 10A

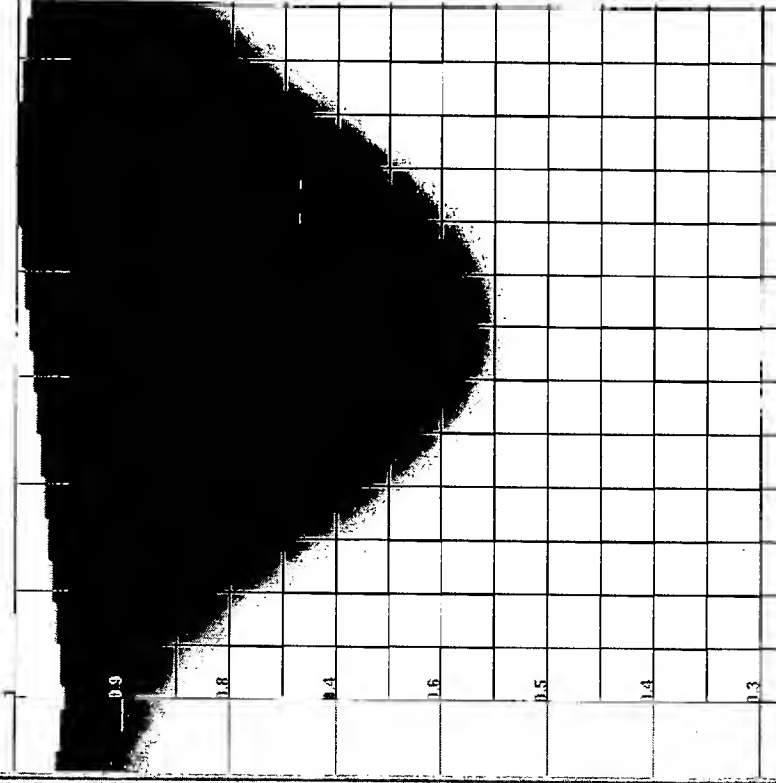




FIG. 11A

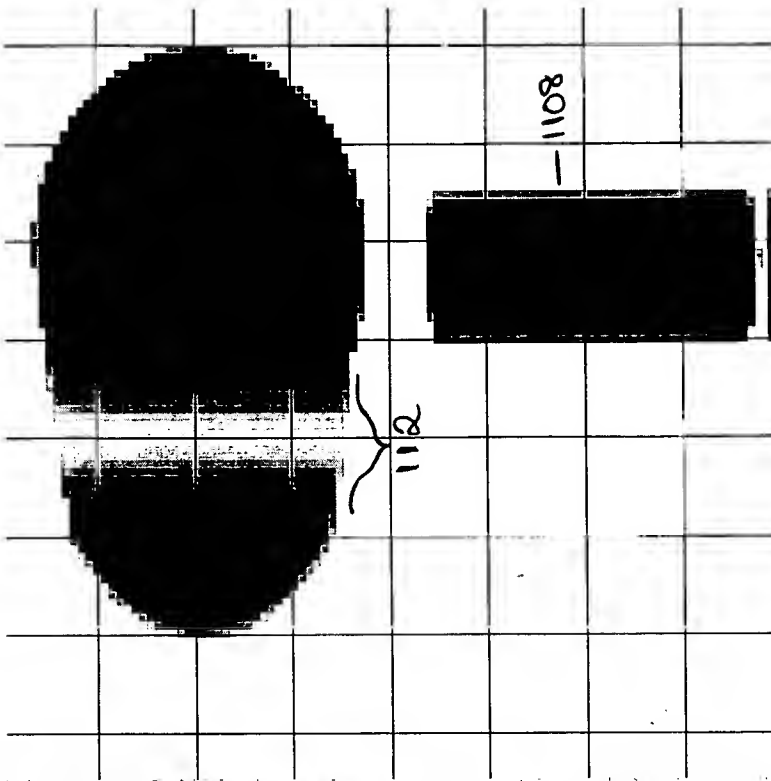


FIG. 11B

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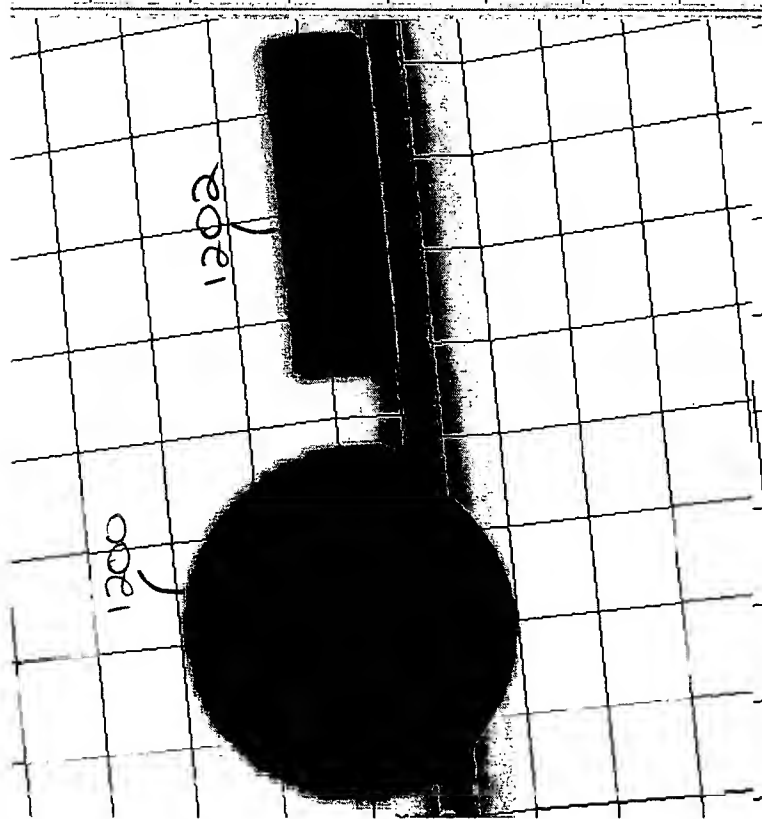


Fig 12A

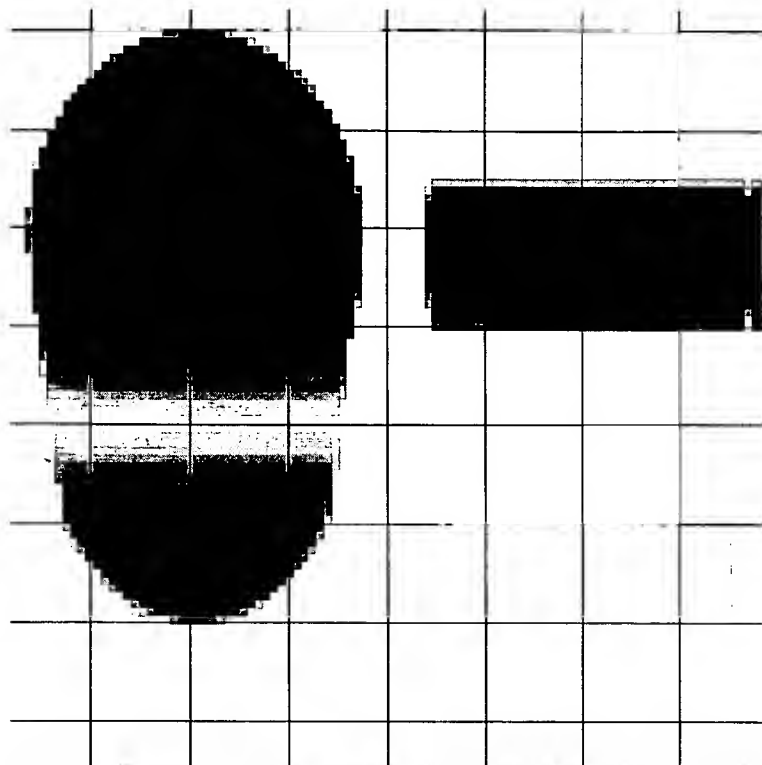
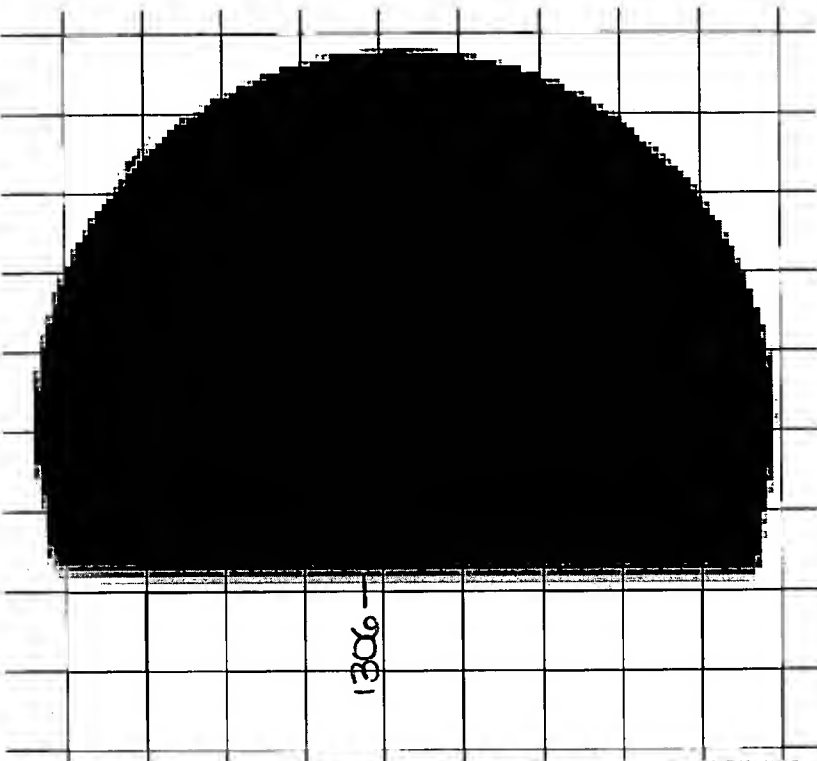
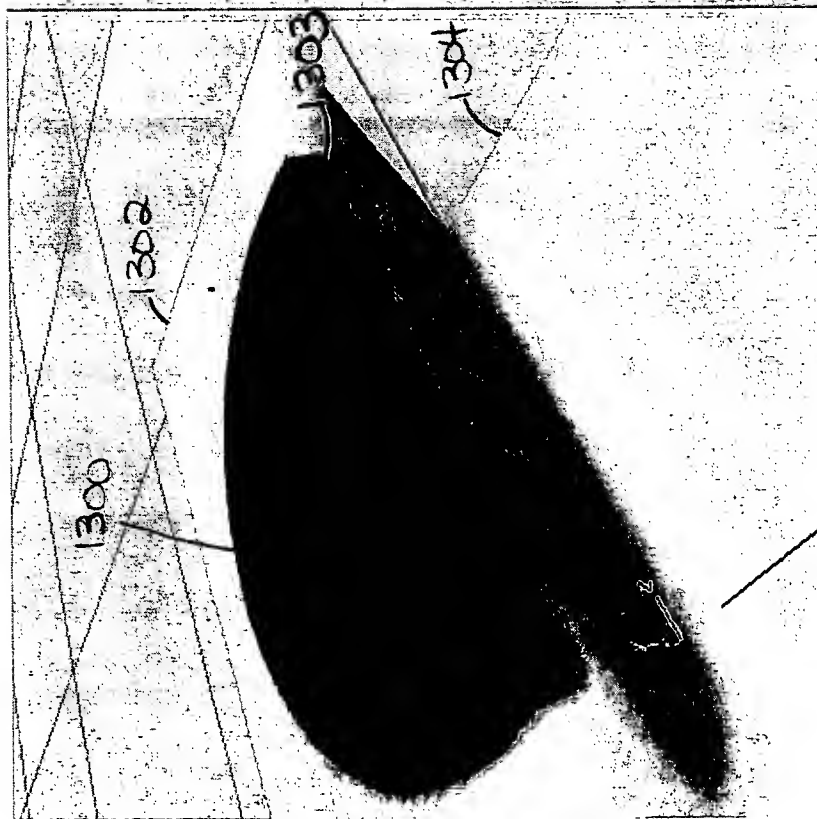


Fig 12B



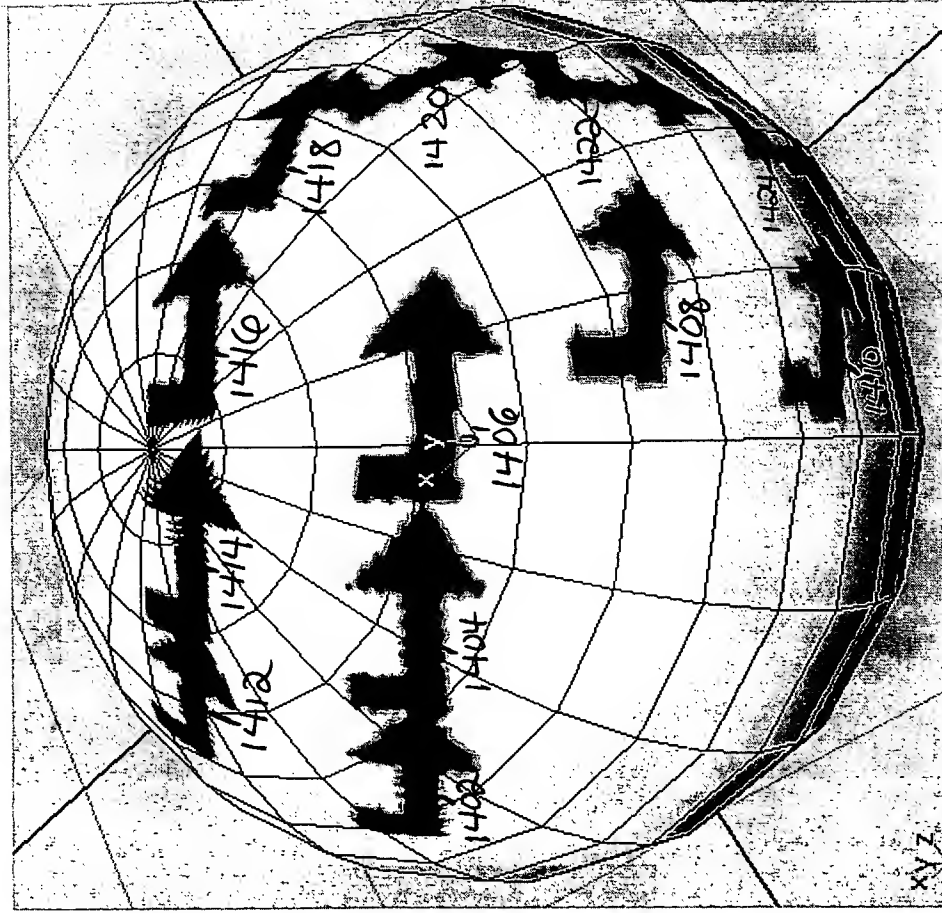


Fig 14A

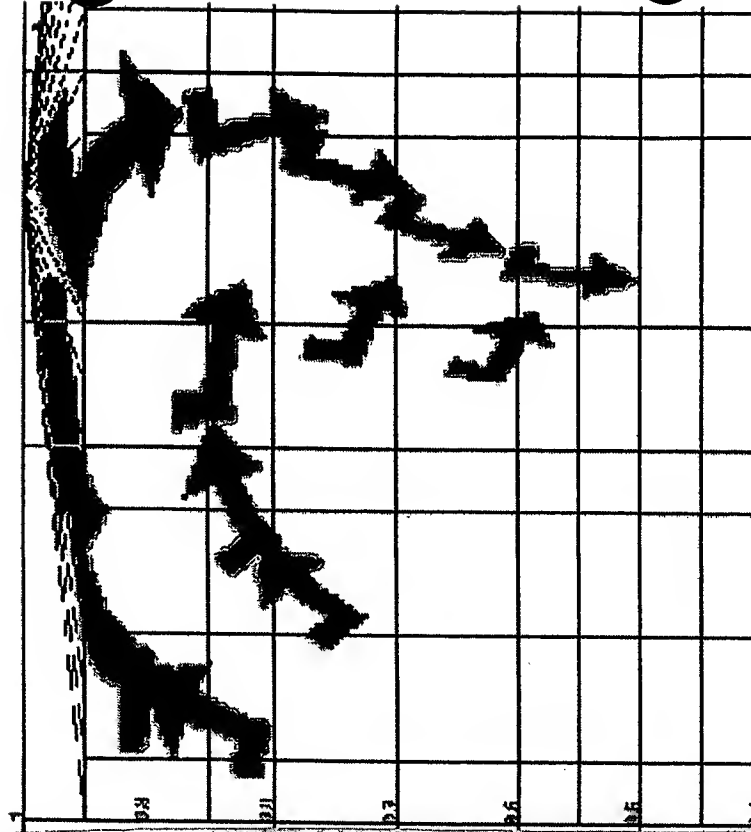


Fig 14B

20090101 16:58:56

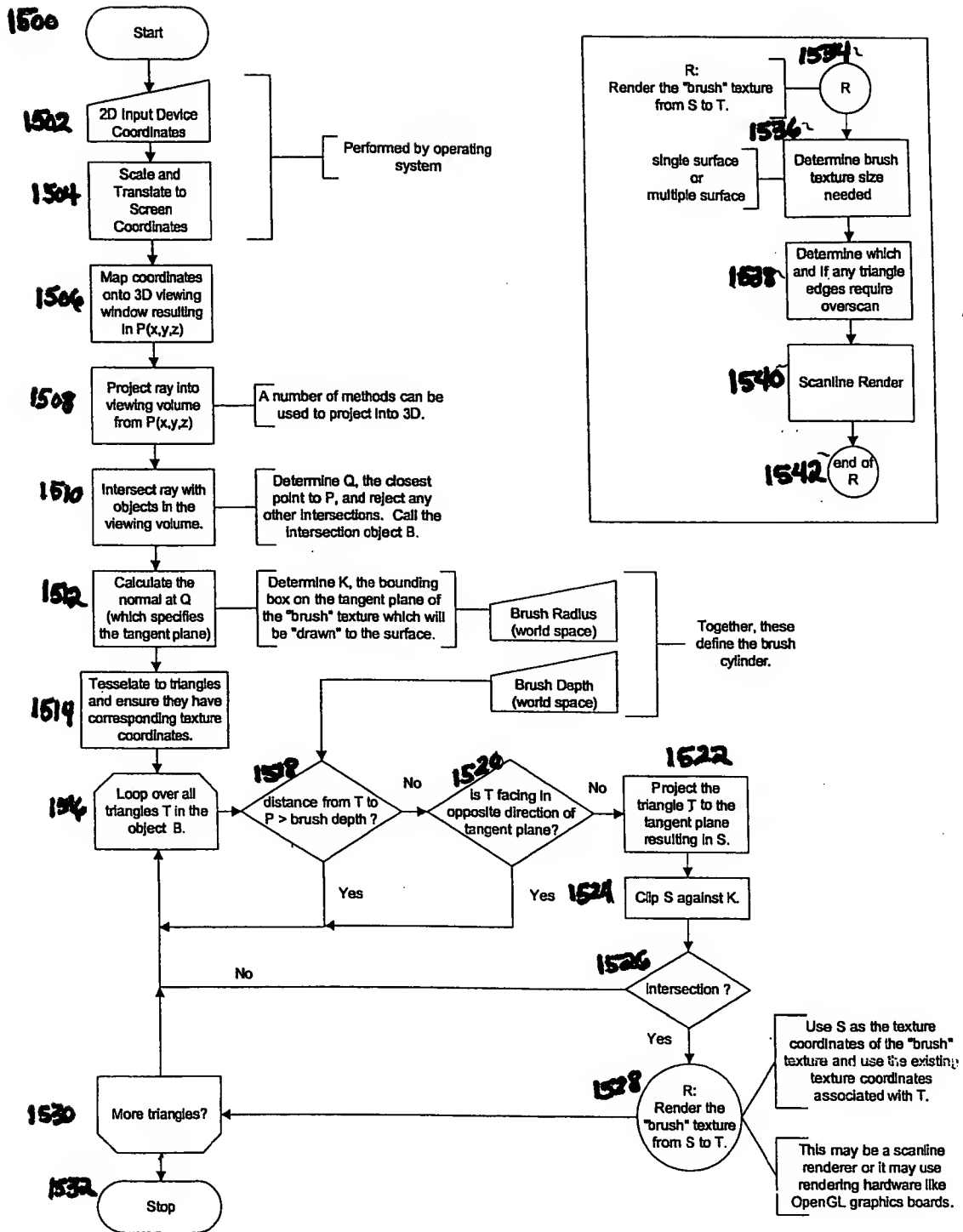


FIG. 15



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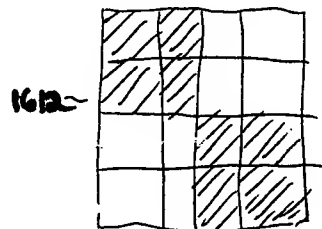
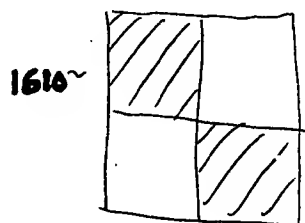
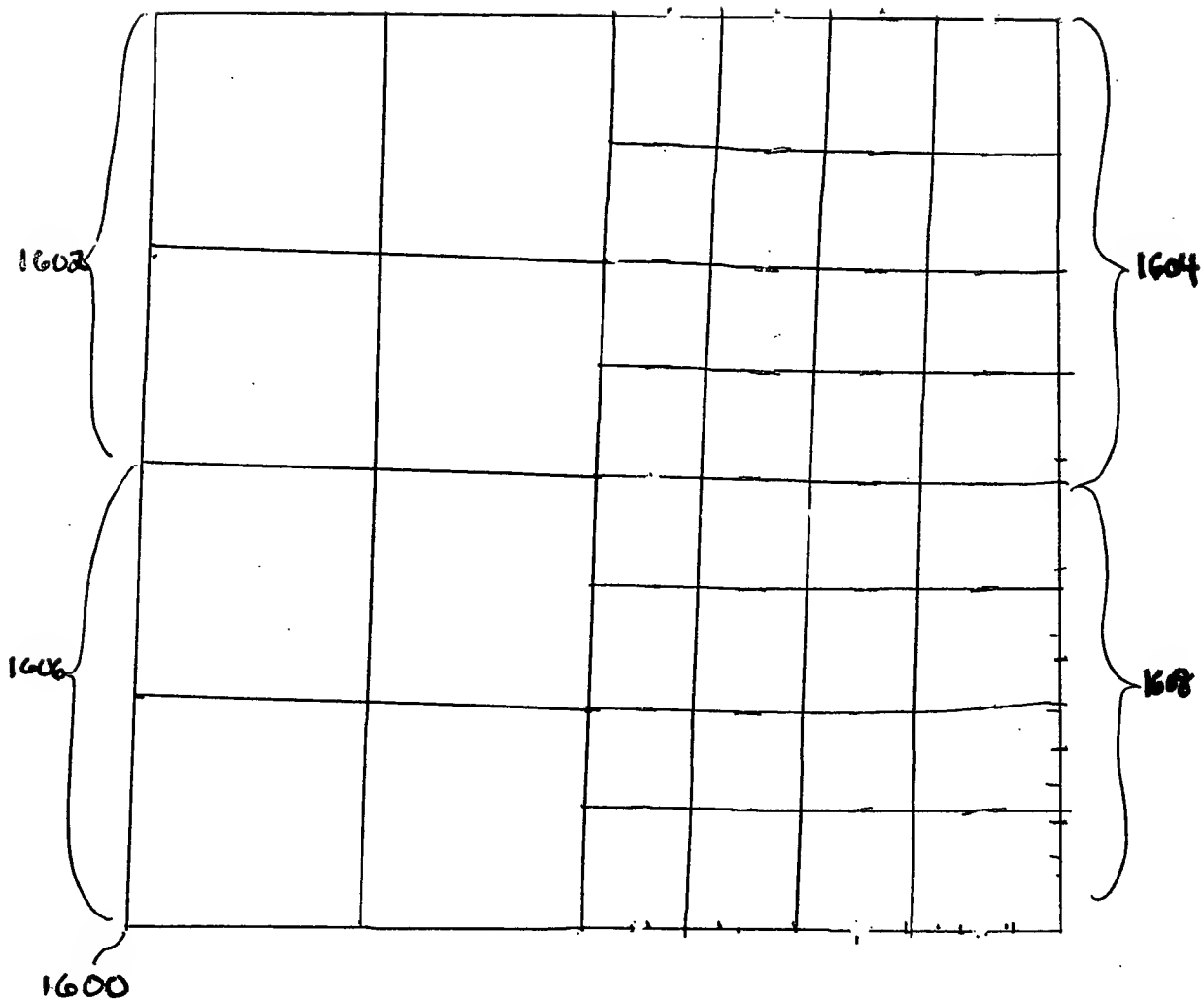


FIG. 16

After standard paint and overscan techniques are used, the image is processed to fill all the remaining background pixels: ⊗.

First step computes the mipmap levels keeping track of background pixels:

- If the 4 pixels at previous level are background pixels, the new one is background too.
- Otherwise, the color is the average of the non background pixels.

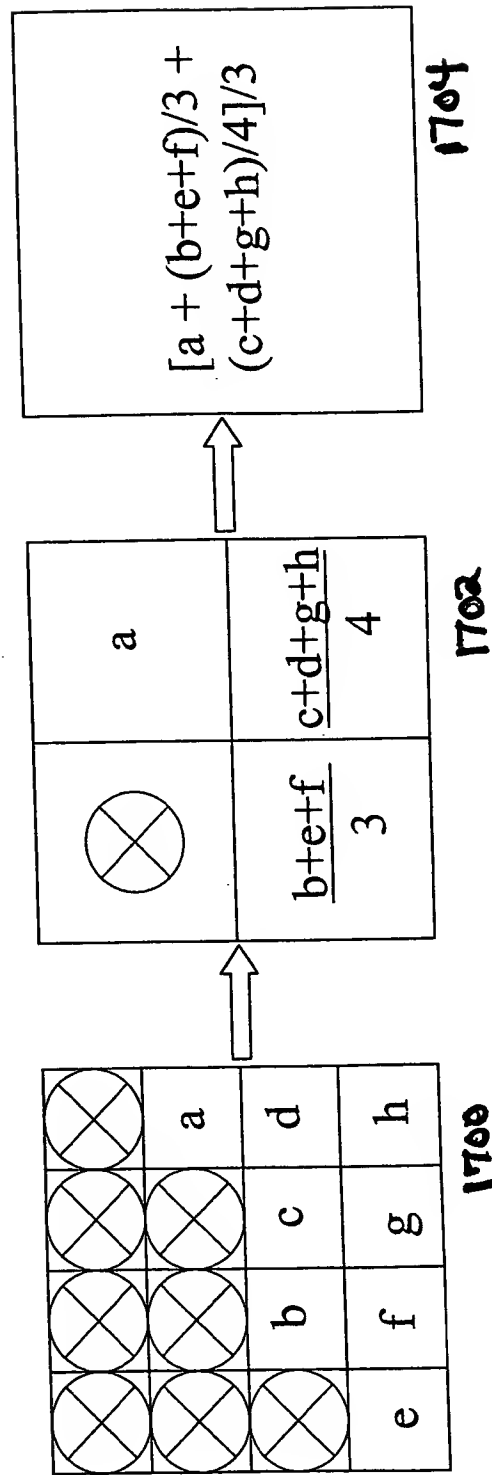


FIG. 17

Second step traverses the mipmap the other way, and assign the coarser level values to the corresponding background pixels.

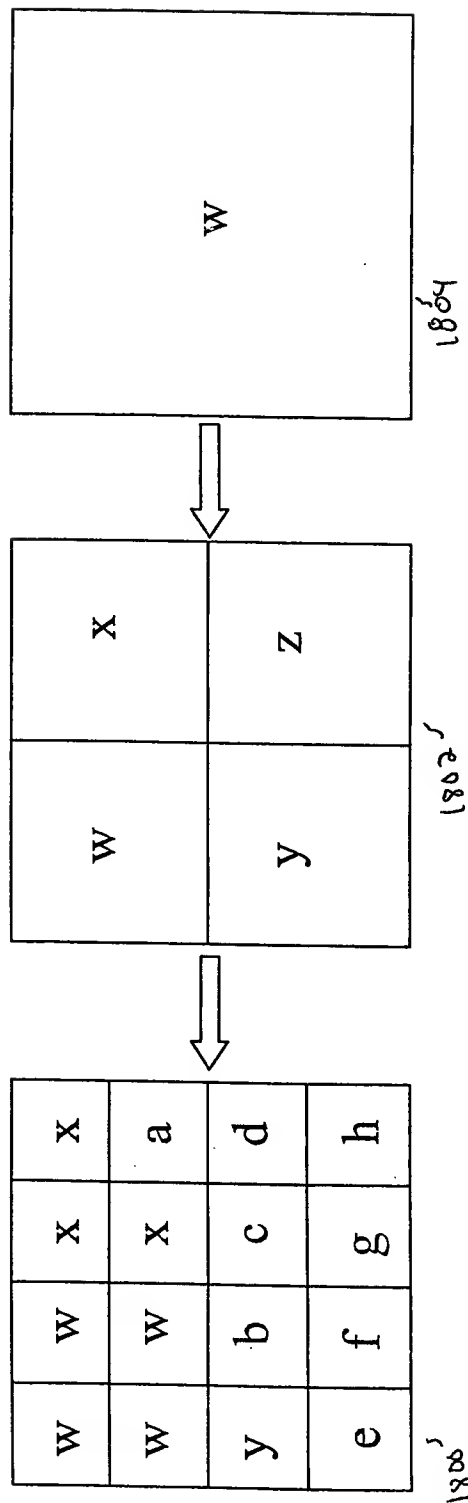


FIG. 18

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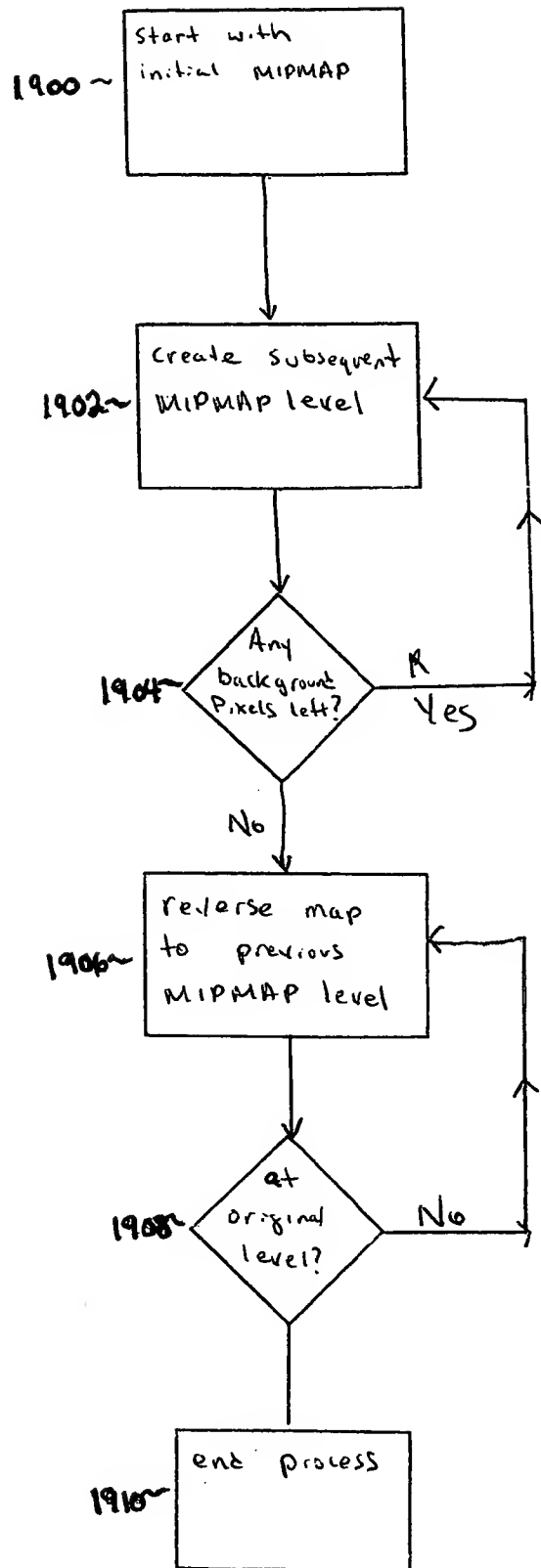


FIG. 19

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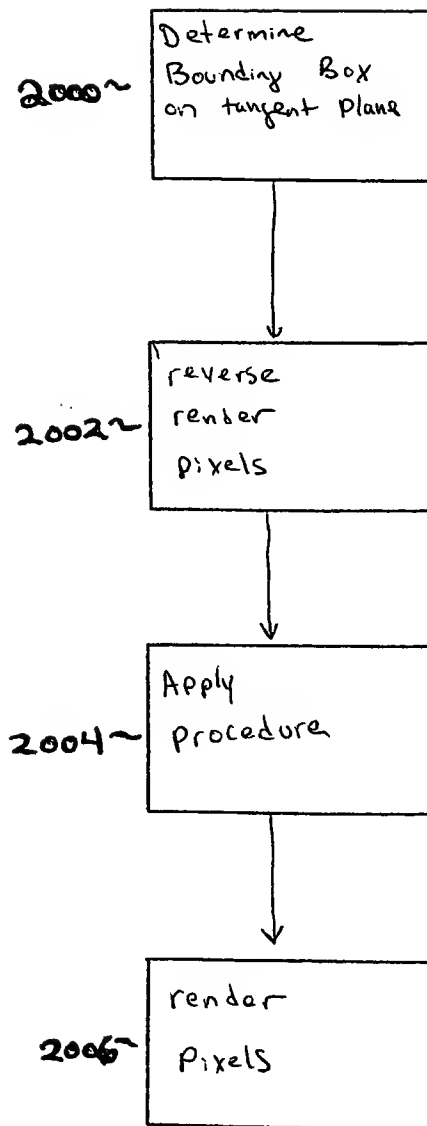


FIG. 20

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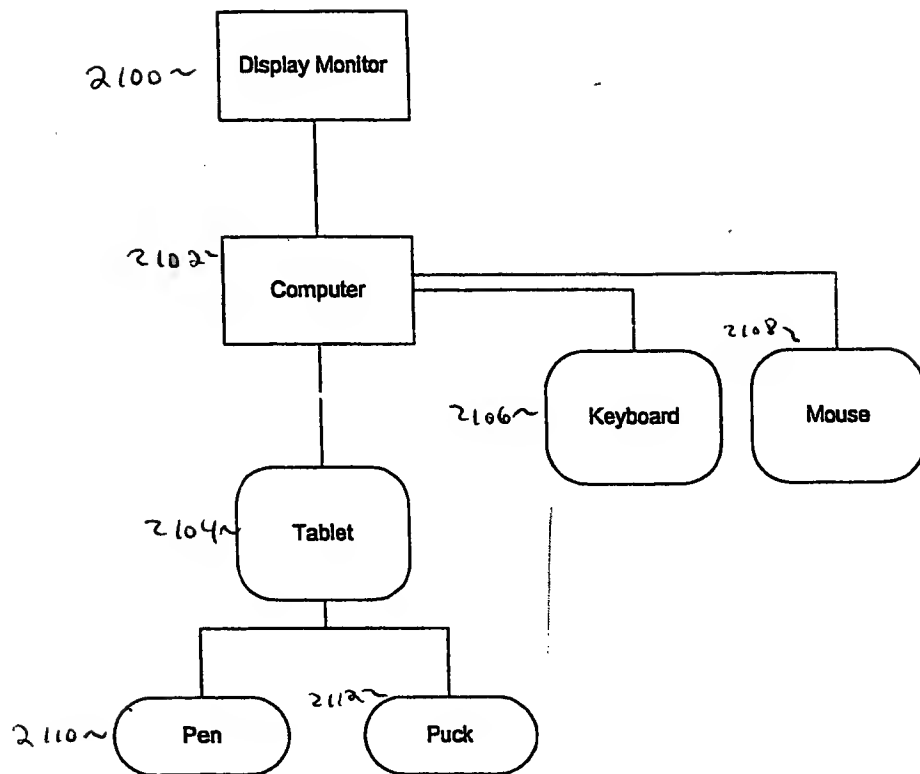


FIG. 21